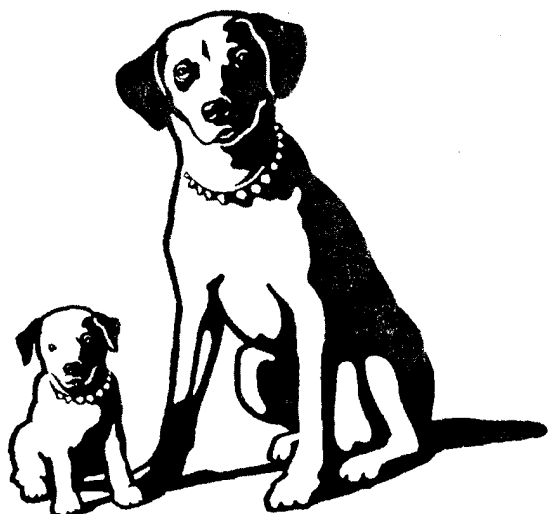


8-57-04-884

USER'S GUIDE

Model

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		F32672
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		G32681
Adjusting Your TV.....	16-19	G35772
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USER

COLOR TV

Important Information

WARNING

To reduce the risk of fire or shock hazard, do not expose this TV to rain or moisture.

WARNING

RISK OF ELECTRIC SHOCK
DO NOT OPEN

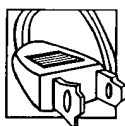
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.



This symbol indicates important instructions accompanying the product.



To prevent electric shock, match wide blade of plug to wide slot, fully insert.

Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

Cautions

Do not defeat the safety feature of the plug. The wide blade fits into the wall socket only one way. If you need an extension cord, make sure it matches the plug of the TV.

Operate TV only on 120 volts, 60 Hz AC power (normal house power).

For safety reasons, make sure any equipment or accessories connected to this product bears the UL listing mark or if purchased and used in Canada the CSA certification mark. If in doubt, contact qualified service personnel.

FCC Regulations state that unauthorized changes or modifications to this equipment may void the user's authority to operate it.

Note To Cable TV Installer

This reminder is provided to call your attention to Article 820-40 of the National Electrical Code (Section 54 of the Canadian Electrical Code, Part 1) which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

Product Registration

Please fill out the product registration card and return it immediately. Returning this card allows us to contact you if needed.

Keep your sales receipt to obtain warranty parts and service and for proof of purchase. Attach it here and record the serial and model numbers in case you ever need them. The numbers are located on the back of the TV.

Model No. _____

Serial No. _____

Purchase Date: _____

Dealer/Address/Phone: _____

Table of Contents

Important Information	Warning, Product Registration _____	i
Quick Guide to Your TV	Startup _____	2-3
	Hook up, Plug in TV, Put Batteries in the Remote, Turn on the TV, Adjust Picture Tilt, Place Channels into Memory, Set the Time	
	Basic Tour of the Remote _____	4
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	Color, Tint, Brightness, Sharpness, Autocolor, Picture Reset	
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	Naming the Channels _____	21
	Setting the Sleep Timer _____	22
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	Selecting a Language _____	26
	Watching Closed Captioning _____	26
	Setting Your TV for Antenna or Cable _____	27
References	Front Panel Buttons _____	28
	Displays on the Screen _____	29
	Trouble Checks _____	30-31
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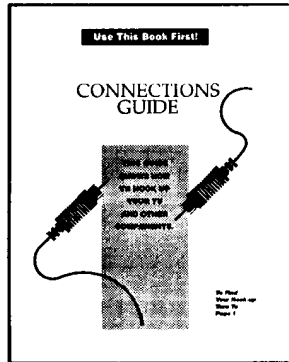
Quick Guide to Your TV

Startup

The steps below will get your TV connected and ready for watching.
For more details, see the page numbers listed.

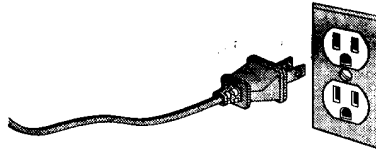
1. Hook up your TV

Details are in the Connections Guide.



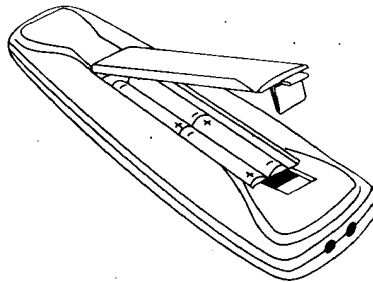
Hook up any antennas, cables or other equipment to your TV before you follow the steps below.

2. Plug in the TV



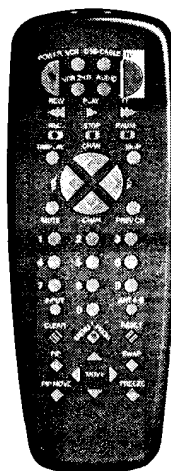
Plug the cord into the outlet, matching the wide and the small end of the plug with the outlet.

3. Put Batteries in the Remote

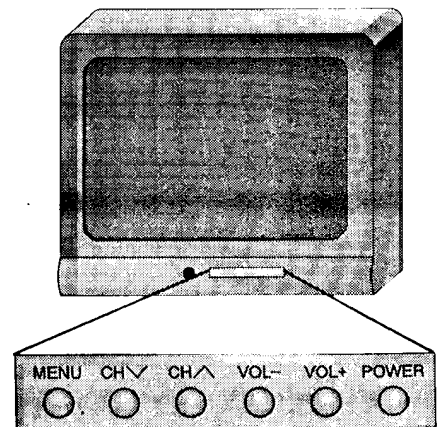


- A. Pull off the cover of the battery compartment.
- B. Place the four AAA batteries as shown, matching the **+** and **-** end of each battery in the compartment.
- C. Replace the cover.

4. Turn on the TV



Press TV on the remote.



Press POWER on the TV.

Quick Guide to Your TV

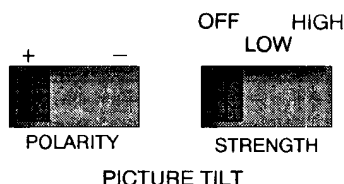
Startup

5. Adjust PICTURE TILT.

Picture tilt is used to correct a tilted picture from the effect of the Earth's magnetic field on a large picture tube. The PICTURE TILT STRENGTH and POLARITY switches on the back of the TV compensate for this effect. If the picture appears tilted, follow these steps to improve it.

You may need to reset the switches if the TV is moved or repositioned in the room.

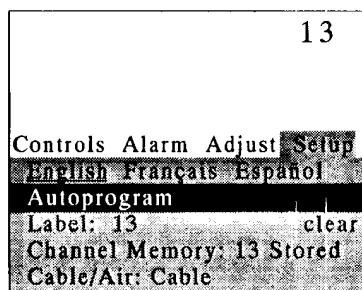
BACK OF TV



- Make sure STRENGTH switch is in the OFF position.
- Move STRENGTH switch to the LOW position. If this does not fully improve tilt, move STRENGTH switch to HIGH. This should correct tilt. If moving STRENGTH switch makes tilt worse, return it to OFF and go to the next step.
- Change the position of POLARITY switch. If this improves the tilt but does not fully improve it, move the STRENGTH switch to LOW or HIGH. This should correct tilt.

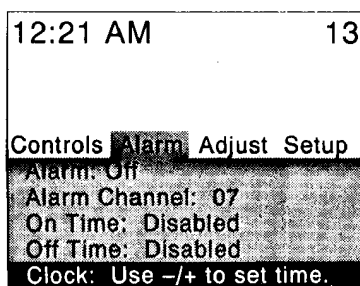
6. Place all available channels in memory (AutoProgram)

Details for adding and deleting channels are on page 20.



- Press MENU•PROG until the Setup menu is selected. This menu is white.
- Press MOVE ▼ to highlight Autoprogram.
- Press MOVE ► to start placing channels in the TV's memory.
- Wait until TV has cycled through all the channels and returns to original channel.

7. Set the Time



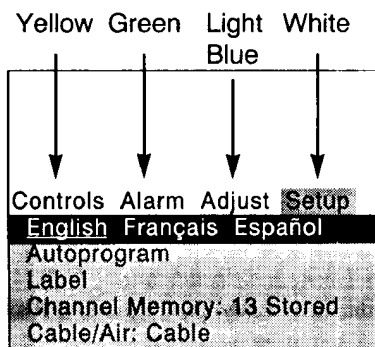
- Press MENU•PROG until the Alarm menu is selected. This menu is green.
- The Clock is automatically highlighted the first time you set it. If it is not, press MOVE ▼ (down) to highlight it.
- Press MOVE ◀ to set the hour.
- Press MOVE ▶ to set the minutes.

Quick Guide to Your TV

Menu Basics

General information about using the on-screen menu system is shown below. Details on using the remote buttons are on pages 6-7. Many menu items are explained in detail in *Using the Advanced Features* starting on page 20.

Colors

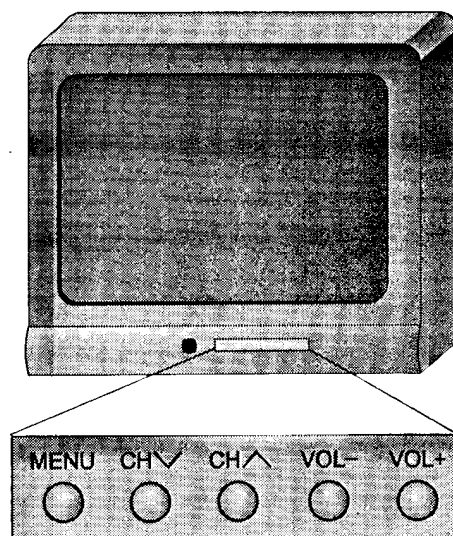
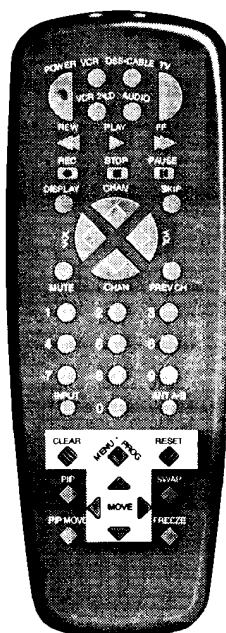


Press MENU•PROG repeatedly to see each of the four menu colors.

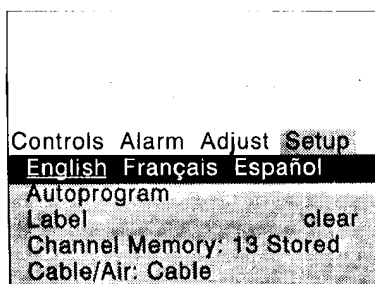
Each menu has a different color background as shown at the left.

Menu Buttons

These buttons are used with the TV's menus to adjust the features. You can use the menu buttons on the remote or the front of the TV.



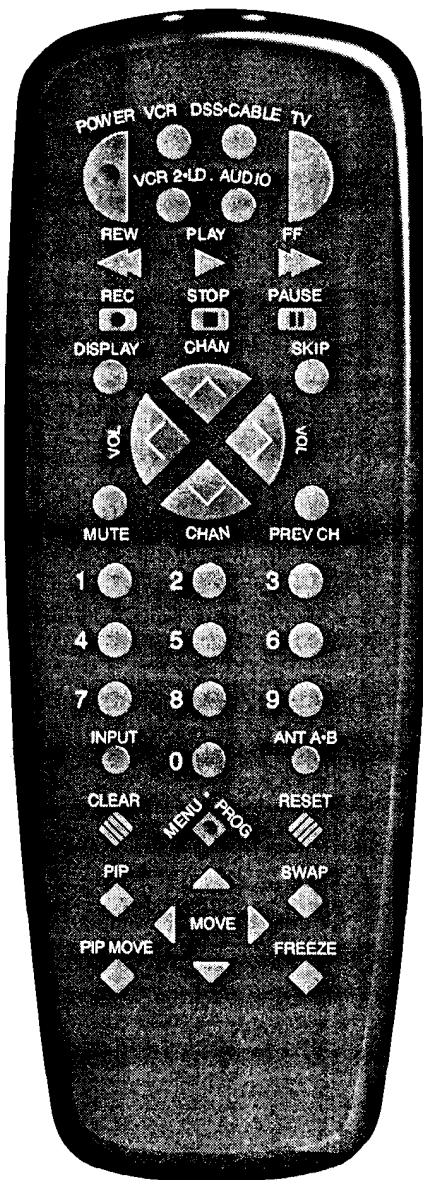
Moving through the Menus



1. Press MENU•PROG on the remote or MENU on the front panel to move from menu to menu.
2. Press MOVE ▲/▼ on the remote or CHANNEL up/down on the front panel to move up and down through the features in the menu.
3. Press MOVE ◀ and ▶ on the remote or VOLUME +/- on the front panel to move left and right on the menu lines.

Using Your TV and Remote

With Remote Buttons



POWER

Turns off the TV.

Turns off compatible VCRs.

Turns on a component after a component button is pressed.

AUDIO, VCR, VCR2•LD, DSS•CABLE, TV

Sets the remote to control the component. VCR2•LD can only be programmed for one component: either a VCR or a Laserdisc Player.

See Using the Remote with a VCR, Cable Box, Laserdisc Player and Audio equipment on pages 8–15.

TV

Turns on the TV.

Shows the displays on the screen.

Sets the remote to control the TV.

See Using the Remote with a VCR, Cable Box, Laserdisc Player and Audio equipment on pages 8–15.

REW (Rewind)

Rewinds a tape or laserdisc.

Searches backward while tape or laserdisc is playing.

PLAY

Plays tape or laserdisc.

FF (Fast Forward)

Fast forwards a tape or laserdisc.

Searches forward while tape or laserdisc is playing.

REC (Record)

Starts recording onto tape.

STOP

Stops tape or laserdisc.

PAUSE

Pauses tape or laserdisc.

DISPLAY

Shows displays on the screen.

Clears menus from the screen.

SKIP (Commercial Skip)

Allows you to scan other channels during commercials.

Each press adds 30 seconds. TV switches back to original channel when time runs out. Press **CLEAR** to cancel SKIP.

CHAN $\wedge$ and $\vee$

(Channel up and down)

Scans up and down through channels in the TV's memory.

Moves through channels in VCR's memory.

VOL + and –

(Volume up and down)

Raises and lowers sound.

MUTE

Switches the TV sound on or off.

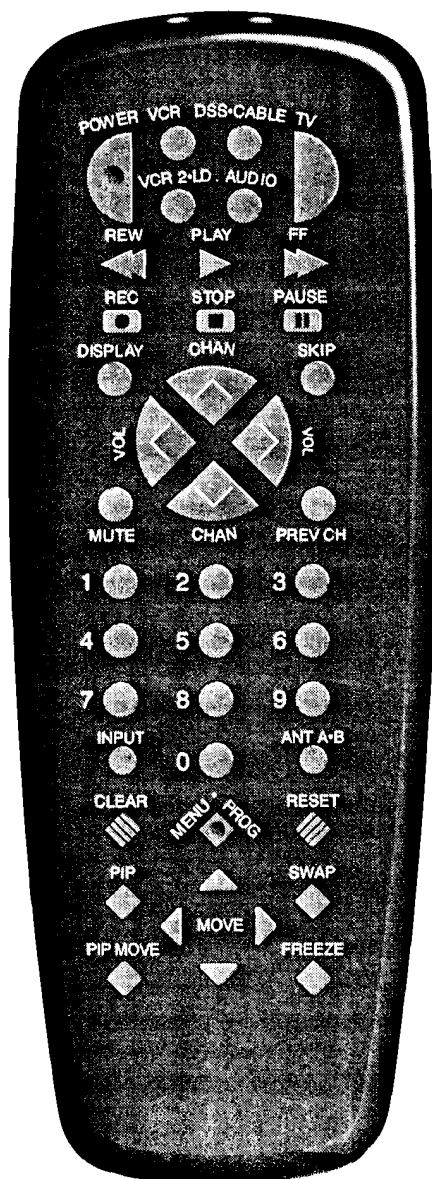
PREV CH (Previous Channel)

Changes back and forth between two channels.

Select a channel and then select another. Press PREV CH to switch between the two channels.

Using Your TV and Remote

With Remote Buttons



Number Buttons (0-9)

Selects any channel number.

Two numbers must be pressed for each channel. Press 0 and 6 for channel 6. For three digit channels, press and hold 1 until 1-- appears on the screen. Then press the other two numbers.

INPUT

Switches between the TV channels and Video 00/S-VID 00.

ANT A-B (Antenna)

Used as TV/VCR button when remote is set to control the VCR.

CLEAR

Clears menus and displays from the screen.

Clears items from VCR timer programs and VCR's clock.

MENU-PROG (Program)

Shows menus on the screen and moves from menu to menu.

Sets VCR clock and programs timer on VCR.

RESET

Returns the picture adjustments to the original settings.

MOVE ◀ and ▶ (left and right)
Moves left and right on a menu line. *See Menu Basics on page 5.*

Changes a feature setting.

MOVE ▲ and ▼ (up and down)
Moves up and down menus. *See Menu Basics on page 5.*

PIP (Picture-in-Picture)

Turns the small picture on or off.

PIP MOVE

Moves the small picture to the next corner.

SWAP

Switches the channel in the small picture with the big picture.

FREEZE

Freezes or unfreezes the small picture.

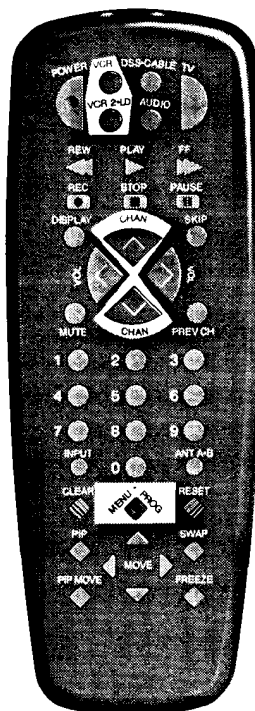
Using Your TV and Remote

With VCRs: Programming the Remote

Refer to the Connection Book or the VCR's owners manual to hook up your VCRs. The remote may need to be programmed for your VCR. Use the codes below or on the sheet packed in with your remote.

1. Test the remote

2. Program the remote for your VCRs



- A. Press VCR or VCR2 to turn the VCR on.
- B. Press the VCR buttons shown at the left. If your VCR does not work, program VCR or VCR2 with a VCR code from the list below.
- A. Point the remote at the VCR and hold VCR.
- B. Enter the code for your brand from the code list below.
- C. Release VCR.
- D. Press POWER. If nothing happens, try pressing VCR and then POWER.
- E. Repeat A-D with another code if the first one does not work or if a second VCR is connected.

VCR Codes

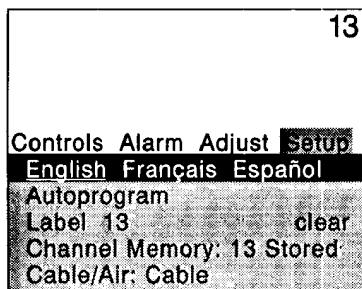
Aiwa	15	Lloyd	15	Sanyo.....	02,12
Akai	03,22,23	Magnavox	08,29	Scott.....	04,13,41
Audio Dynamics.....	14,16	Marantz	02,08,14,16,29,30	Sears	02,05,09,12,18,19,35,43
Broksonic	10	Marta	09	Sharp	06,24,39
Canon	08	MEI	08	Shintom	17,26,31
Capehart.....	01	Memorex	08,09,12,15	Sony	17,26,38
Citizen	09	MGA	04,27	Sylvania	08,15,29
Craig	07,12	Minolta	05,35	Symphonic	02,15
Curtis Mathes	00,08,15	Mitsubishi	04,05,27,35,40	Tashiko	09
Daewoo	13	Montgomery Ward.....	06	Tatung.....	30
dbx	14,16	MTC	07,15	Teac	15,30
Dimensia	00	Multitech.....	07,15,31,32	Technics	08
Dynatech.....	15	NEC	02,14,16,30	Teknika	08,09,15,21
Emerson ...	09,10,13,15,20,23,24,34,41	Panasonic	08	Toshiba	05,13,19
Fisher	02,12,18,19,43	Pentax	05,35	Totevision.....	07,09
Funai.....	15	Philco.....	08,29	Unitech	07
GE	00,07,08,32,37	Philips.....	08,29	Vector Research.....	14,16
Goldstar.....	09,14	Pioneer	05,16,33	Victor	16
Harman Kardon.....	14	ProScan.....	00	Video Concepts	14,16
Hitachi	05,15,35,36	Quartz.....	02	Videosonic.....	07
Instant Replay	08	Quasar	08	Wards.....	
JCL	08	RCA	00,05,07,08,28,35,37		05,06,07,08,12,13,15,25,31,35
JCPenney.....	02,05,07,08,14,16,30,35	Realistic	02,06,08,09,12,15,19,43	Yamaha	02,14,16,30
JVC	02,14,16,30	Samsung.....	07,13,22,32,42	Zenith.....	11,17
Kenwood.....	02,14,16,30	Sansui	16		

Using Your TV and Remote

With VCRs: Setting the VCR1 Channel

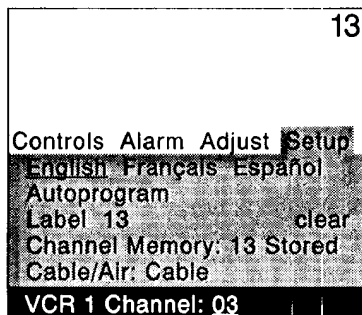
The VCR 1 Channel works with VCR on the remote. If the VCR 1 Channel is set, pressing VCR selects the channel to see the VCR picture. The VCR 1 Channel setting depends on which diagram you have used from the Connection Guide. If you want to turn this feature off, set the VCR 1 Channel to Disable. Refer to the chart below for your setting.

1. Select the Setup Menu



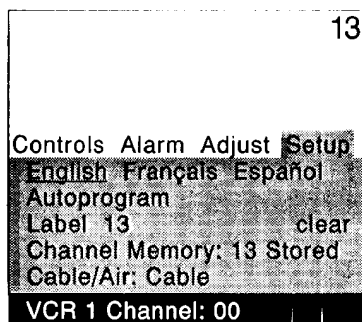
- A. Press TV to set the remote to control the TV.
- B. Press MENU•PROG to select the Setup menu. This menu is white.

2. Highlight VCR1 Channel



- A. Press MOVE ▼ (down) to highlight the VCR 1 Channel.
- B. Press ► to highlight the channel.

3. Enter channel number



- A. Enter channel 00, 03, or 04. Choose your setting from the chart below. Press CHANNEL down until "Disabled" is displayed to turn the feature off.

Diagram used from the Connection Guide:	Set VCR1 Channel to:
1B, 1C, 2B, 2C, 3B, 3C, 4C, 5C	00
4B, 5B	3 or 4 (same as 3/4 switch)

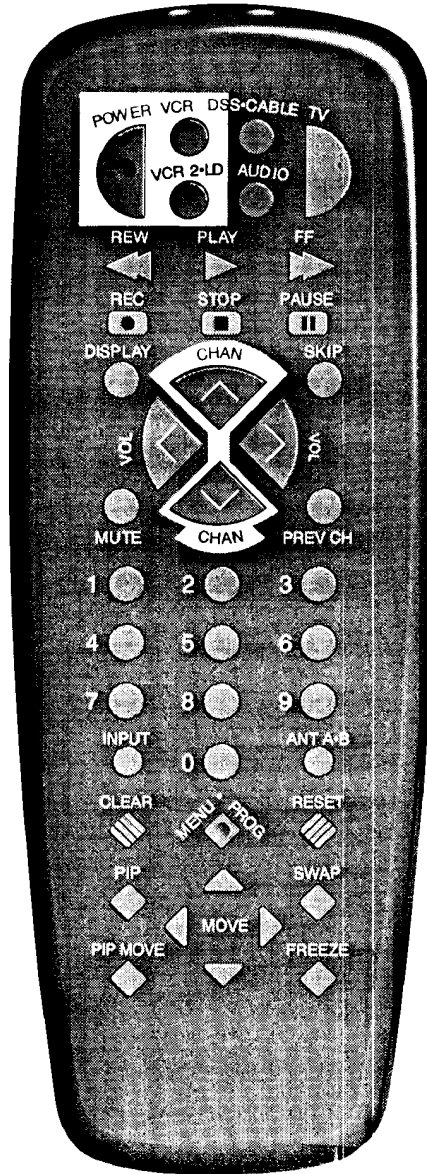
Using Your TV and Remote

With VCRs: Basic Operation

If the remote operates your VCR, this page and the next will show you how to use it for basic functions. *See page 7 for more details on buttons used with your VCR.*

Turn on the VCR

Turn off the VCR



- A. Press channel 00 on the TV to see what the VCR is doing.
- B. Press VCR or VCR2 to set the remote to control the VCR.
- C. Press **POWER** to turn on the VCR if it did not turn on when you pressed VCR or VCR2.

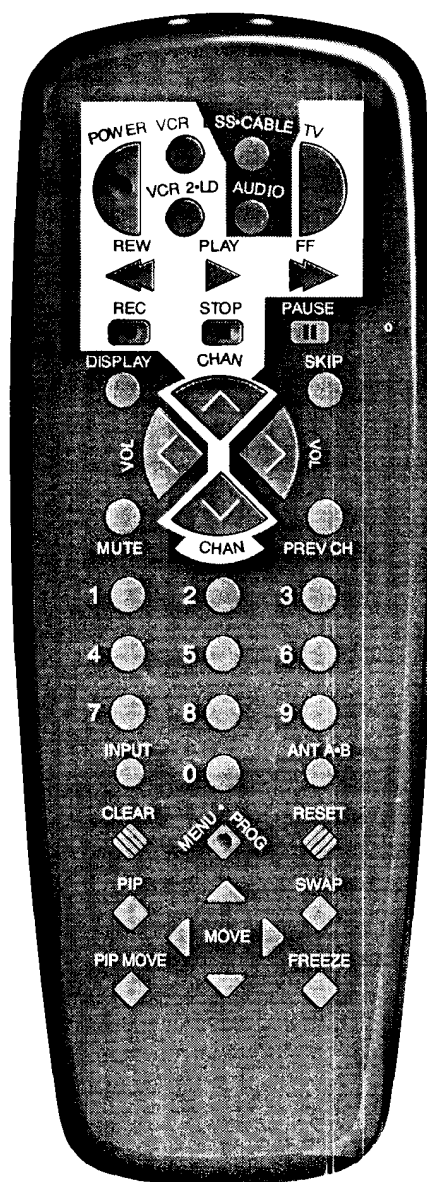
- A. Press VCR or VCR2 to set the remote to control the VCR.
- B. Press **POWER**.

Using Your TV and Remote

With VCRs: Basic Operation

If the remote operates your VCR, this page and page 10 will show you how to use it for basic functions. *See page 7 for more details on buttons used with your VCR.*

Record one TV program and watch another



Watch a tape in your VCR

- A. Press VCR or VCR2 to set the remote to control the VCR.
 - B. Tune the VCR to the channel you want to record using CHANNEL up and down or pressing two number buttons.
 - C. Press RECORD to start recording.
 - D. Press TV/VCR on the VCR.
 - E. Press TV to set the remote to control the TV.
 - F. Press CHANNEL up or down to change channels on the TV.
 - G. To see the channel you are recording, tune the TV back to channel 00.
-
- A. Turn on VCR.
 - B. Insert a tape in the VCR.
 - C. Press PLAY to start the tape playing.
 - D. Press STOP when you are finished.
 - E. Press REW to rewind the tape.

Using Your TV and Remote

With a Cable Box: Programming and Basic Operation

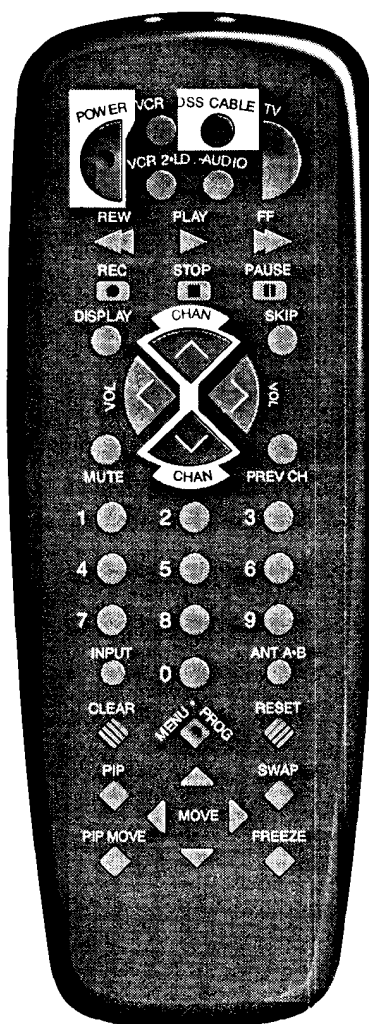
Refer to the Connection Book or contact your cable company to hook up your cable box. If you have a cable box with its own remote, then you may also be able to use the TV's remote with your cable box. Use the codes below or on the sheet packed in with your remote.

Program the remote for your cable box

Basic Operation:

Turn on the Cable Box

Turn off the Cable Box



- Point the remote at the cable box and hold **CABLE**.
- Enter the code numbers for your brand from the list below.
- Release **CABLE**.
- Press **POWER** to turn it on. If nothing happens, try pressing **CABLE** and then **POWER**.
- Repeat A-D with another code if the first one does not work.

- Tune TV to channel 02, 03, 04, 05, or 06--the cable box channel.
- Point remote at the cable box and press **CABLE**.
- Press **POWER** to turn it on.
- Press **CHANNEL** up or down to change channels on the cable box.

- Press **CABLE**.
- Press **POWER** to turn it off.

Cable Box Codes

ABC	22,46
Anvission.....	07,08
Cablestar	07,08
Eagle	08
Eastern International.....	02
General Instrument	04,05,15,23,24,25,30,36,46
Hamlin	12,13,34,48
Hitachi.....	37,43,46
Jerrold.....	04,05,15,23,24,25,30,36,45,46,47
MACOM.....	37,43
Magnavox.....	07,08,19,21,26,28,29,32,33,40,41

NSC	09
Oak	01,16,38
Oak Sigma	16
Panasonic.....	03,27,39
Philips	07,08,19,21,26,28,29,32,33,40,41
Pioneer	18,20,44
Randtek.....	07,08
RCA	00,27
Regal.....	12,13
Regency.....	02,33
Samsung	44
Scientific Atlanta.....	03,22,35
Signature.....	46

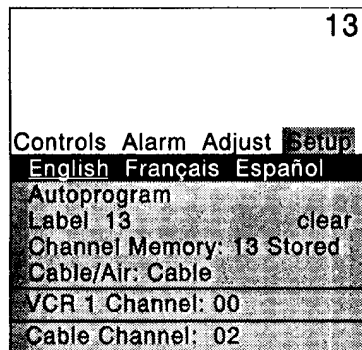
Sprucer.....	27
Starcom	46
Sylvania.....	11
Teknika	06
Texscan.....	10,11
Tocom.....	17,21,49,50
Unika.....	31,32,41
Viewstar	07,08,19,21,26,28,29,32,33,40,41
Warner Amex.....	44
Zenith	14,42

Using Your TV and Remote

With a Cable Box: Setting the Cable Channel

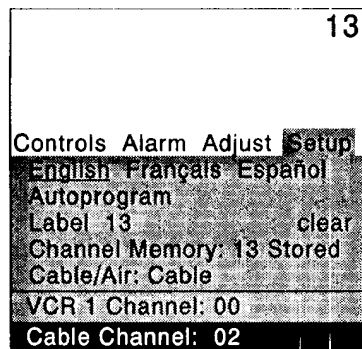
The Cable Channel works with CABLE on the remote. If the Cable Channel is set, pressing CABLE selects the channel to see cable channels. The Cable Channel setting depends on which channel your cable box must be on to see cable channels. The channels usually used are 02, 03, 04, 05 or 06. Consult your cable company for more information.

1. Select the Setup menu



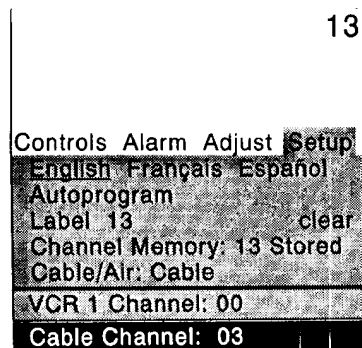
- A. Press TV to set the remote to control the TV.
- B. Press MENU•PROG to select the Setup menu. This menu is white.

2. Highlight Cable Channel



- A. Press MOVE ▼ (down) to move down the menu until Cable Channel is highlighted.
- B. Press ► to underline the channel.

3. Enter channel number



- A. Enter the number for your cable box, either 02,03,04,05, or 06. Press CHANNEL down until "Disabled" is displayed to turn this feature off.

Using Your TV and Remote

With a Laserdisc Player: Programming and Basic Operation

Refer to your Laserdisc Player owner's manual to hook up your Laserdisc Player. The remote may need to be programmed for your laserdisc player. Use the codes below or on the sheet packed in with your remote.

Program the remote for your Laserdisc Player

Basic Operation

Laserdisc Player Codes

Pioneer	33
ProScan	33
RCA	33



- A. Point the remote at the laserdisc player and hold LD.
- B. Enter the code for your brand from the code list below.
- C. Release LD.
- D. Press POWER. If nothing happens, try pressing LD and then POWER.

- A. Tune TV to channel 00, 03, or 04.
- B. Point the remote at the laserdisc player and press LD.
- C. Press POWER to turn it on.
- D. Use the buttons on the remote that relate to laserdisc player functions. Not all buttons highlighted may work with your laserdisc player.
- E. Press POWER to turn it off.

Using Your TV and Remote

With Audio Equipment: Programming and Basic Operation

Refer to the Connection Book or your Audio equipment owner's manual to hook up your audio equipment. Your remote controls only RCA audio equipment such as a radio, CD player, tape player, turntable, or amplifier. The remote may need to be programmed for your equipment. Use the codes below or on the sheet packed in with your remote.

Program the remote for audio equipment

Basic Operation

Audio Codes

RCA/ Dimensia

AM/FM.....	03
CD.....	07
Tape.....	06
Phono.....	05
Aux.....	04



- Point the remote at the audio equipment and hold AUDIO.
- Enter the code from the code list.
- Release AUDIO.
- Press POWER to turn it on. If nothing happens, try pressing AUDIO and then POWER.
- Repeat A-D with another code if the first one does not work.

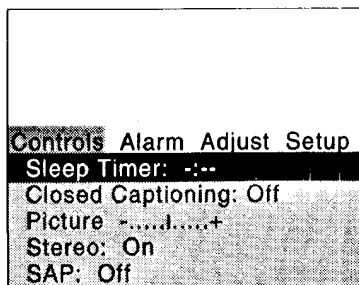
- Point the remote at the audio equipment and press AUDIO.
- Press POWER to turn it on.
- Use the buttons on the remote that relate to audio functions. Not all buttons highlighted may work with your equipment.
- Turn the audio equipment off using the audio component's power off button.

Adjusting Your TV

Overall Picture

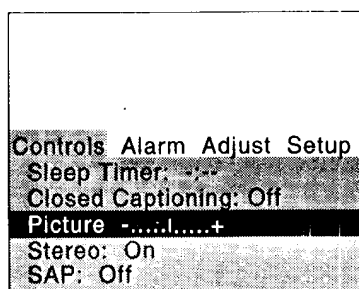
Follow the steps below to lighten or darken the overall picture without changing the color levels.

1. Select the Controls Menu



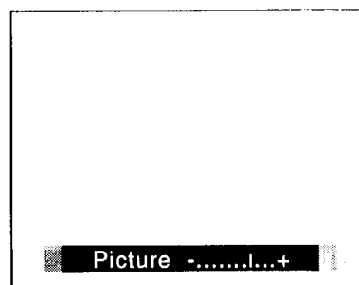
Press **MENU•PROG** to select the Controls menu. This menu is yellow.

2. Highlight Picture



Press **MOVE ▼** (down) to highlight Picture.

3. Use **MOVE ►** and **◀** to adjust the Picture



Press **MOVE ►** (right) to lighten the picture.

OR

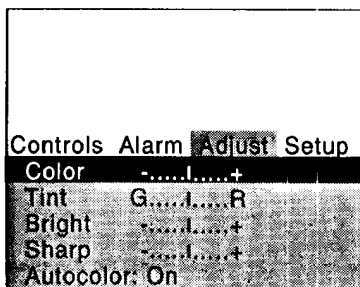
Press **MOVE ◀** (left) to darken the picture.

Adjusting Your TV

Picture Settings

Follow the steps below to change the picture on the screen to your personal setting. The chart at the bottom of the page explains your options.

1. Select the Adjust Menu

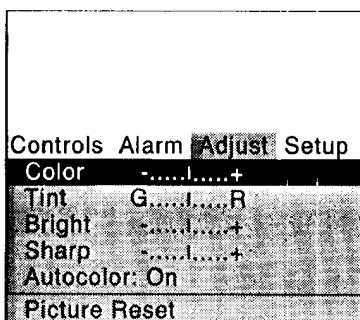


Press MENU•PROG repeatedly to select the Adjust menu. This menu is light blue.

2. Highlight item to change

Press MOVE ▼ (down) to highlight the picture item you want to adjust.

3. Use MOVE ► or ◀ to adjust each item



Press MOVE ► or ◀ to adjust each item.

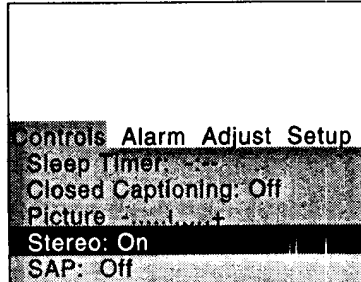
	Press MOVE ► to:	Press MOVE ◀ to:
Color	Increase color richness	Lower color to black and white
Tint	Give red tint to skin color	Give green tint to skin color
Bright (Brightness)	Add more light to dark parts of the picture	Add more dark to light parts of the picture
Sharp (Sharpness)	Show cleaner, clearer images	Make picture more smooth
Autocolor	Turn on to keep Color and Tint in proper balance each time you change channels	Turn off for manual adjustment of Color and Tint
Picture Reset	Reset the picture back to the <i>original settings</i>	Reset the picture back to the <i>original settings</i>

Adjusting Your TV

Sound Settings: Stereo, Expanded Stereo, SAP and Tone

Follow these steps to adjust the Stereo, Expanded Stereo, SAP or Tone of your TV. SAP (Second Audio Program) is sometimes used to offer the program being watched in another language. The chart below explains your options.

1. Select the Controls Menu

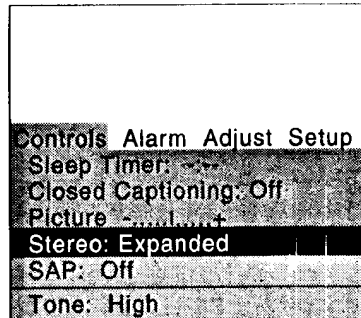


Press MENU•PROG to select the Controls menu. This menu is yellow.

2. Highlight item to change

Press MOVE ▼ (down) to highlight the sound item you want to adjust.

3. Use MOVE ► or ◀ to adjust each item



Press MOVE ► or ◀ to adjust each item.

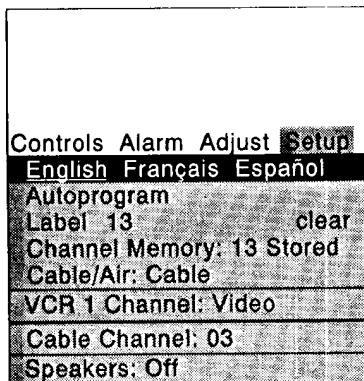
Stereo	On Sound is automatically reproduced in stereo or mono, whichever the TV station is broadcasting.	Off Sound is reproduced in mono.	Expanded Expanded stereo adds greater width and dimension to stereo broadcasts creating a more spacious stereo sound effect.
SAP	On Sound is reproduced in another sound channel. If nothing happens, your broadcast may not have SAP.	Off Sound is reproduced in Stereo, Expanded Stereo or Mono, whichever is selected in the Stereo Menu Item.	
Tone	High High pitched sounds are louder.	Low Low pitched sounds are louder.	

Adjusting Your TV

Sound Settings: Speakers

Follow the steps below to turn the speakers on or off in your TV. The chart below explains your options.

1. Select the Setup Menu



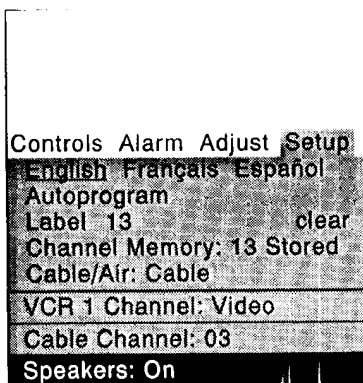
Press MENU•PROG repeatedly to select the Setup menu. This menu is white.

2. Highlight speakers



Press MOVE ▼ (down) until Speakers is highlighted.

3. Turn Speakers on or off



Press MOVE ► or ◀ to turn the speakers on or off.

Speakers	On	Off
	The sound comes from the TV's internal speakers.	No sound comes from the TV.

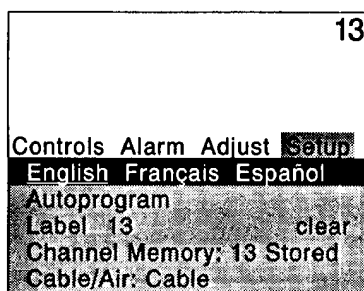
Using Advanced Features

Placing Channels in Memory (Autoprogramming)

Only channels 2–13 appear in the TV's memory when you first turn it on. The channels available in your area must be programmed into the TV's memory when you hook up your TV. Using CHANNEL up or down allows you to scan through these channels.

You may want to add or delete a few channels if some stations have weak signals or were off the air when the TV was programmed. Refer to the *Add or Delete Channels* section below.

1. Place channels in memory (AutoProgram)



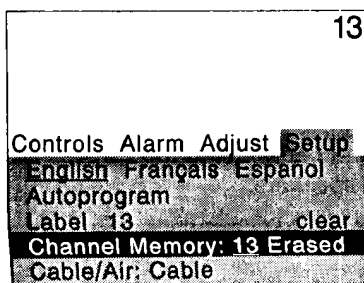
- A. Hook up an antenna, cable or components before you begin these steps or you will not be able to add channels into memory.
- B. Press MENU•PROG repeatedly to select the Setup Menu and highlight Autoprogram. This menu is white.
- C. Press MOVE ▼ (down) to highlight Autoprogram.
- D. Press MOVE ► to start the TV adding all active channels into memory.
- E. Wait until the TV has cycled through all the channels and returns to the original channel.



2. Add or delete channels



- A. Press MENU•PROG repeatedly to select the Setup menu. This menu is white.
- B. Press MOVE ▼ (down) to highlight Channel Memory.
- C. Press MOVE ► to underline the channel number.
- D. Select the channel number you want to add or delete with the number buttons.
- E. Press MOVE ► to add or delete a channel (you will see Stored on the screen when added and Erased when deleted).
- F. Repeat D and E for more channels.

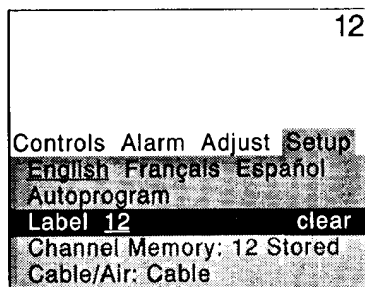


Using Advanced Features

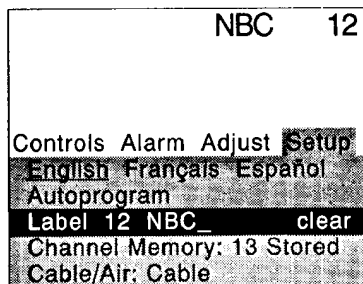
Naming the Channels

You can name the channels using the character list below. **Full** appears beside Label when the memory is used up. **Fixed** appears beside Label for channel 00--it cannot be named.

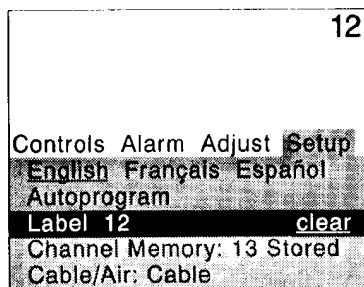
1. Name a channel



- A. Press MENU•PROG repeatedly to select the Setup menu. This menu is white.
- B. Press MOVE ▼ (down) to highlight Label.
- C. Press MOVE ► to underline the channel number.
- D. Select the channel number with the number buttons.
- E. Press MOVE ► to underline the first character of the name.
- F. Choose the character using MOVE ▲/▼ (up or down).
- G. Repeat E-F to complete the name.
- H. Press MOVE ◀ to move backward if you want to change an item.



2. Erase a name



- A. Follow A and B above.
- B. Press MOVE ► until clear is underlined.
- C. Press MOVE ▲/▼ (up or down) to clear the name.

Character List

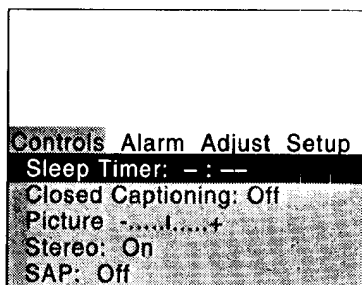
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z &
' () á + , - . / 0 1 2 3 4 5 6 7 8 9 : ; < = > ? @ blank space

Using Advanced Features

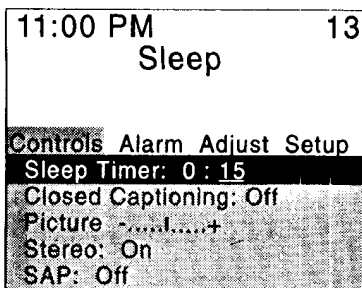
Setting the Sleep Timer

You can set your TV to turn itself off. If you're watching TV at night and fall asleep, the TV will turn off for you.

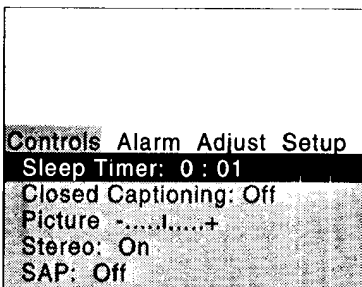
1. Set Sleep Timer



- A. Press MENU•PROG to select the Controls menu and highlight Sleep Timer. This menu is yellow.
- B. Press MOVE ► to enter the amount of time you want to watch TV before it shuts off. Each press equals 15 minutes.
- C. Press MOVE ◀ to subtract time from the sleep timer.

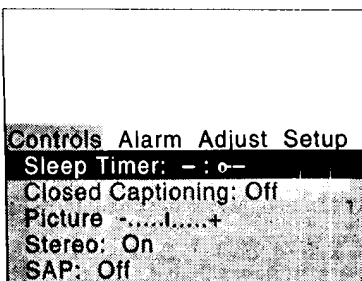


2. Add more time



- A. When 0:01 appears on the screen, the TV will shut off in one minute. Press MOVE ► to add more time.

3. Cancel the Timer



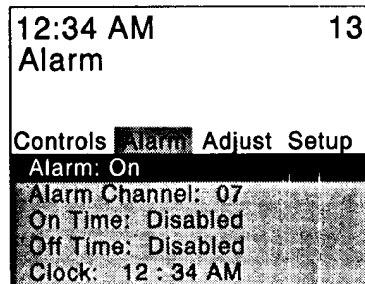
- A. Press MENU•PROG to select the Controls menu and highlight Sleep Timer.
- B. Press MOVE ◀ until the time reaches 0:00.

Using Advanced Features

Setting the Alarm Clock

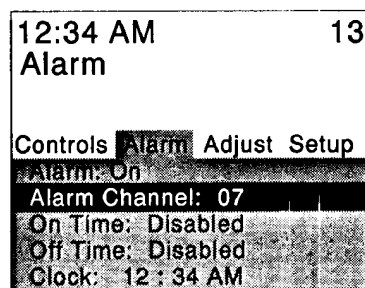
The TV can be set to turn on each day like your alarm clock. You can set it to turn on to your favorite channel at a certain time. You can also set it to turn itself off again. The Alarm cannot be used until the clock is set.

1. Turn on the Alarm



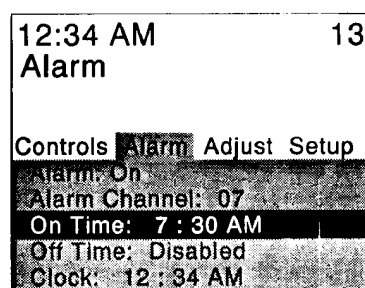
- A. Press **MENU•PROG** to select the Alarm menu and highlight Alarm. This menu is green.
- B. Press **MOVE ►** or **◄** to select On or Off.

2. Set the Alarm Channel

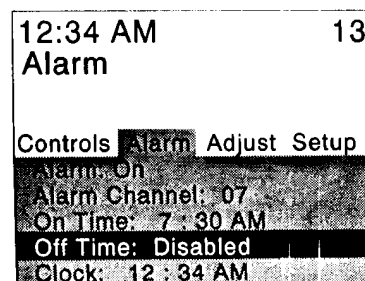


- A. Press **MOVE ▼** (down) to highlight the Alarm Channel.
- B. Press **MOVE ►** to highlight the channel number.
- C. Enter the channel that you want the TV to turn on to with the number buttons.

3. Set On and Off Times



- A. Press **MOVE ▼** (down) to highlight the On or Off Time.
- B. Press **MOVE ◀** to set the hour.
- C. Press **MOVE ►** to set the minutes.
- D. Press and hold **MOVE ◀** to choose Disabled. This turns the TV only on or only off at a certain time each day.

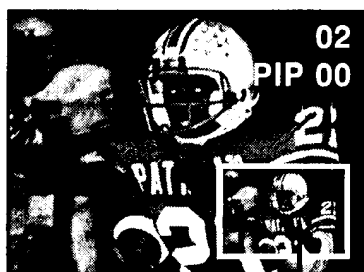


Using Advanced Features

Watching Picture-in-Picture

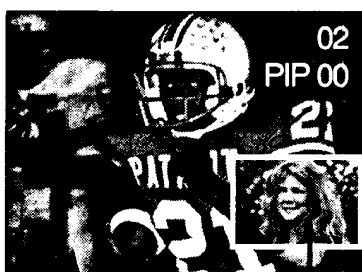
Picture-in-Picture allows you to display a small picture within the big picture of the TV screen. To watch two different programs at once, you must connect a VCR, Laserdisc Player or Camcorder. You may need to disable the VCR1 Channel if you can not get two different programs at once.

Turn on Picture-in-Picture



TV Picture

TV Picture



TV Picture

VCR, Laserdisc
Player, or
Camcorder
Picture

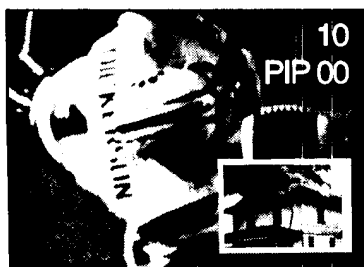
- Hook up a VCR, Laserdisc Player, or Camcorder to the video jacks on the back of the TV. *See the Connections Guide.*
- Press TV to turn the TV on.
- Press CHANNEL up or down to select the channel you want to watch on the big picture.
- Turn on the VCR, Laserdisc Player, or Camcorder.
- Press PIP to put the small picture on the screen. It is the same as the big picture.
- Press 00 to see the signal from the VCR, Laserdisc Player, or Camcorder connected to the video jacks.

Change channels on the large picture



Press CHANNEL up and down or two number buttons to change channels on the large picture.

Change channels on the small picture

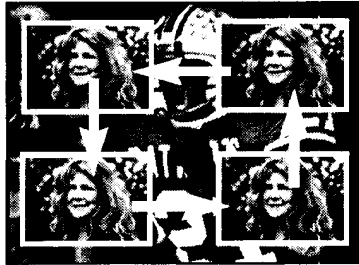


Change channels on your VCR, Laserdisc Player, or Camcorder to change channels on the small picture.

Using Advanced Features

Watching Picture-in-Picture

Move the small picture



Press PIP MOVE to move the small picture to the next corner.

Swap the big picture with the little picture



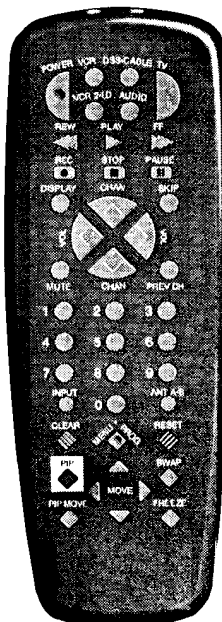
Press SWAP to switch the small picture with the big picture.

Freeze the small picture



- A. Press FREEZE to stop action in the small picture.
- B. Press FREEZE again to return to an action picture.

Turn off Picture-in-Picture



Press PIP to turn off picture-in-picture.

Using Advanced Features

Selecting a Language

The on-screen displays in this TV can be displayed in three languages: English, French, and Spanish. When you select a language, most of the displays will be shown on the screen in your preferred language.

1. Select the Setup menu



Press MENU repeatedly to select the Setup menu. This menu is white.

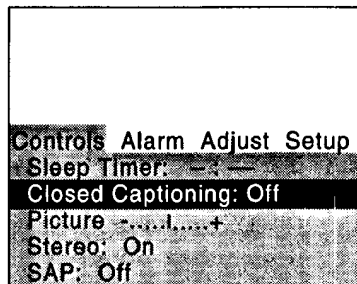
2. Select Language

Press + or - to select English, Français (French), or Español (Spanish).

Watching Closed Captioning

Closed captioning displays the audio portion of a program as words on the TV screen. It is useful for the deaf, hearing impaired, or anyone who wants to watch a program without sound. If you have turned Closed Captioning on and it does not appear on the screen, it is not available on the channel you are watching. This TV does not support the text mode. Text information typically consists of program information, weather bulletins, local activities, etc.

1. Select the Controls Menu

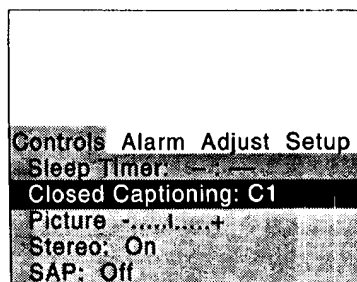


Press MENU•PROG to select the Controls menu. This menu is yellow.

2. Highlight Closed Captioning

Press MOVE ▼ (down) to highlight Closed Captioning.

3. Select Setting



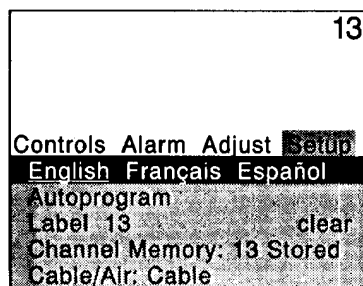
A. Press MOVE ◀ or ▶ to select Off, C1, or C2. Select C1 for full translation of the primary language in your area. Select C2 for secondary language translation, simplified English, or whatever is being broadcast in your area.

Using Advanced Features

Setting Your TV for Antenna or Cable

Your TV automatically adjusts this feature when the TV places channels in memory (autoprogram). Follow the steps below to change the setting as needed.

1. Select the Setup menu



Press MENU•PROG repeatedly to select the Setup menu. This menu is white.

2. Highlight Cable/Air



Press MOVE ▼ (down) to highlight Cable/ Air.

3. Select Cable or Air

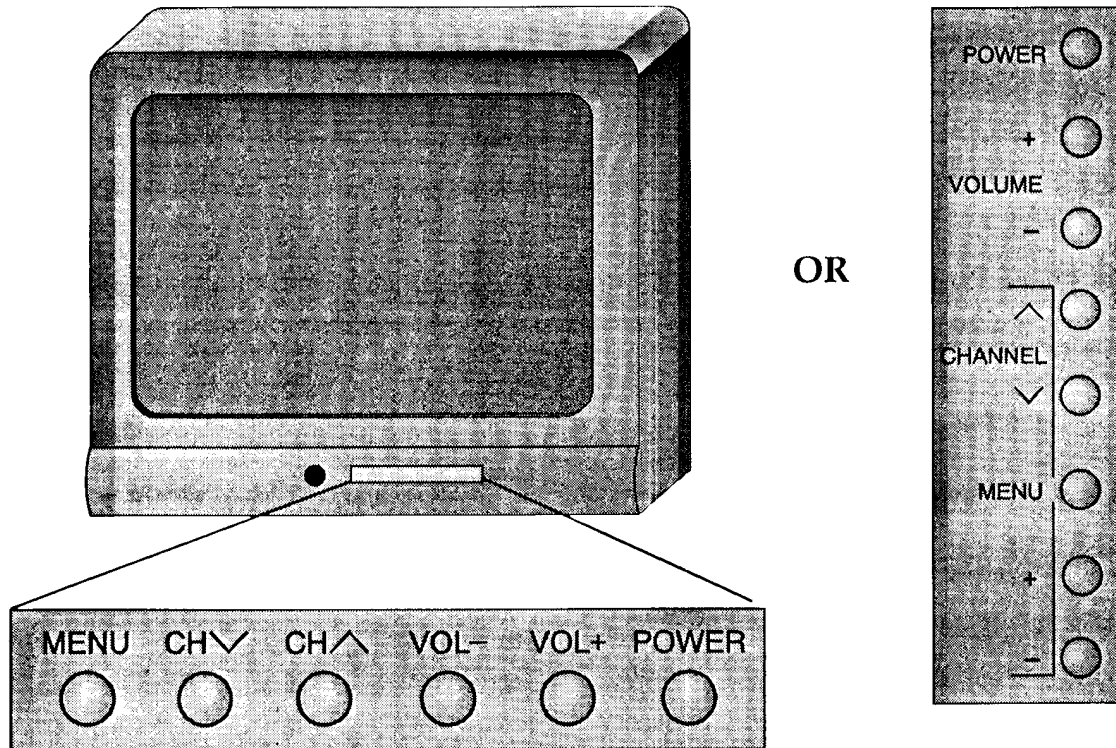


A. Press MOVE ◀ or ▶ to select Cable or Air. Select Cable if you have cable . Select Air if you have a home antenna connected to your TV.

References

Front Panel Buttons

For details on using buttons with menus, see Menu Basics on page 5.



MENU

Shows menus on screen.
Moves from menu to menu.

CH ^ and v

Channel up and down.
Scans up and down through channels in the TV's memory.
Moves up and down menus.

VOL + and - (Also **VOL ^** and **VOL v**)

Volume up and down
Raises and lowers sound.
Moves left and right on a menu line.
Changes a features setting.

POWER

Turns the TV on or off.

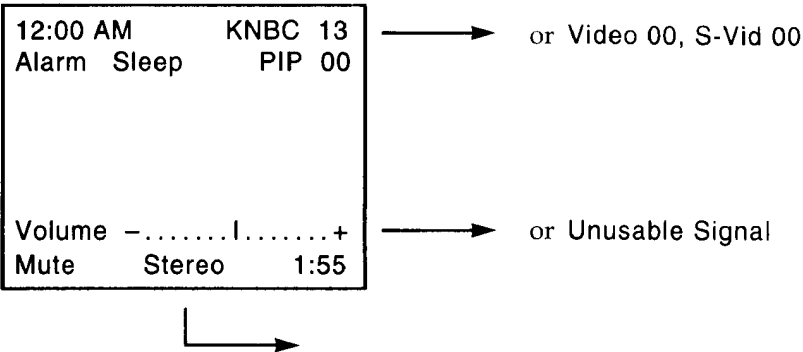
+ and - (Not on all models)

Same as VOL + and - buttons.

References

Displays on the Screen

Your TV shows the settings of several features on the screen. To see what features have been set on your TV, press **DISPLAY** on the remote.



Screen Display

Description

12:00 AM

Time of the clock. Details are on page 3.

KNBC

Name you chose to describe the channel. Details are on page 21.

13

Channel number you are watching.

S-Vid 00

Indicates that a component connected to the S-VIDEO jack on the back of the TV, it is turned on, and channel 00 is selected.

Video 00

Indicates that a component is connected to the VIDEO jack on the back of the TV, it is turned on, and channel 00 is selected.

Alarm

Alarm clock is set to turn on or off. Details are on page 23.

Sleep

Sleep Timer is set to turn off the TV. Details are on page 22.

PIP 00

Picture-in-picture is turned on to channel 00. Details are on pages 24-25.

Volume

Sound level of the TV.

Unusable Signal

No signal is coming in on video input channel 00.

Mute

There is no sound. See MUTE button on page 6.

Stereo

The sound is being broadcast in stereo. Details are on page 18.

Stereo*

SAP is selected in the menu, but it is not available for the program being broadcast. Details are on page 18.

SAP

Secondary Audio Program. SAP is selected and it is available for the program being broadcast. Details are on page 18.

1:55

The time remaining for commercial skip. Details are on page 6.

References

Trouble Checks

You may have problems that can be fixed with a few minor adjustments. Look for the type of problem you are having below and then try the suggestions to get your TV going again. *For warranty information see page 32.*

Trouble

Checks and Adjustments

Power

TV will not turn on

Plug TV in.
Plug something else into the outlet to make sure it is working.
Make sure batteries in the remote are not dead.
Aim the remote at the TV and press TV.
Make sure batteries are placed in the remote the right way. *See batteries on page 2.*
Unplug TV for a few minutes and then turn it on again.

No picture, no sound but TV has power

Check antenna connections.
Check position of Cable/Air feature. *See page 27.*
Try another channel. Inactive channel may be tuned.
Make sure component connected to the VIDEO INPUT jacks is turned on if you choose channel 00.
Make sure TV is tuned to the same channel as the switch on back of VCR if watching a VCR.
Make sure TV/VCR button on VCR is in correct position when using VCR.

Picture

Blank screen or Unusable
Signal appears on screen

Try another channel.
Scan the channels.

Picture poor, sound okay

Check antenna connections.
Adjust TV picture. *See pages 16–17.*

Picture-in-Picture

Can't get two different
channels in picture-in-picture

Make sure small picture is tuned to channel 00.
Make sure the component connected to the back of the TV is turned on.
Make sure a video cable is also connected to the TV's VIDEO INPUT jack if using an S-VHS component.
Make sure the AUDIO and VIDEO OUT jacks on the VCR, Laserdisc player, or Camcorder are connected to the TV's VIDEO and AUDIO IN jacks.
Make sure VCR 1 Channel is set to Disabled. *See page 9.*

No picture while using
picture-in-picture with
S-VHS VCR or camcorder

Make sure a video cable is also connected to the TV's VIDEO INPUT jack.

References

Trouble Checks

Trouble

Checks and Adjustments

Remote

Buttons don't work when you press them

Press TV to set the remote to control the TV. *See buttons on page 6-7.*

Works part or none of the time

Clear the path between the remote and TV of any objects.

Aim the remote at the component you are trying to control.

Press TV so remote will control TV.

Make sure batteries in the remote are not dead.

See if batteries are placed in remote correctly. *See batteries, page 2.*

Can't select certain channel

Press number buttons. Channel may not be in memory. *See autoprogram on page 20.*

Make sure TV/VCR switch on VCR is in the TV position.

For numbers over 100, press and hold 1 until 1-- appears, then press the other two numbers.

Set Cable/Air feature to Cable for channels higher than 69. *See page 27.*

Sound

Noisy stereo reception

Turn Stereo off. The stereo broadcast may not be clear. *See page 18.*

Picture okay, no sound

Press VOLUME + or MUTE to restore sound.

Make sure TV's speakers are on. *Details are on page 19.*

Picture okay, sound poor

Try another channel.

Try adjusting the Tone. *See page 18.*

Change Stereo to off. The stereo broadcast may not be clear. *See page 18.*

No stereo on stereo station

Make sure Stereo is turned on. *See page 18.*

TV Turns on or off

Turns off by itself

Check Sleep Timer. *See sleep timer on page 22.*

Wait 30 seconds and turn on again, a power surge may have occurred.

Check Alarm Off time. *See alarm clock on page 23.*

Turns on by itself

Check Alarm On Time. *See alarm clock on page 23.*

Check clock time. *See clock on page 3.*

Does not turn off at Alarm Time

Make sure alarm is turned on or off. *See alarm clock on page 23.*

Check clock time. *See clock on page 3.*

References

Limited Warranty

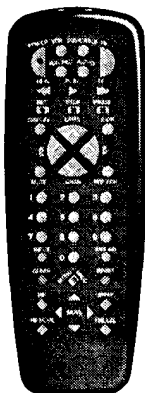
What your warranty covers:	Any defect in material or workmanship.
How long after your purchase:	90 days for labor charges. One year for parts. Two years for picture tube. The warranty period for rental units begins with the first rental.
What we will do:	Pay any Authorized RCA Television Servicenter the labor charges to repair your television. Pay any Authorized RCA Television Servicenter for the new or, at our option, rebuilt replacement parts and picture tube required to repair your television.
How you get service:	For screen sizes of 20" and smaller: Take your RCA television to any Authorized RCA Television Servicenter. For screen sizes larger than 20": Request in-home service from any Authorized RCA Television Servicenter. To identify your nearest Authorized RCA Television Servicenter, ask your Dealer, look in the Yellow Pages, or call 1-800-336-1900. Show the service technician your evidence of purchase date.
What your warranty <i>does not</i> cover:	Customer instruction. (Your Owner's Manual clearly describes how to install, adjust, and operate your television. Any additional information should be obtained from your Dealer.) Installation and related adjustments. Signal reception problems not caused by your television. Damage from misuse or neglect. Remote control batteries. A television that has been modified or incorporated into other products or is used for institutional or other commercial purposes. A television purchased or serviced outside the USA.
What to do with the Product Registration Card:	Please complete and mail the Product Registration Card packed with your set. It will make it easier to contact you should it ever be necessary. The return of the card is not required for warranty coverage.
How state law relates to this warranty:	This warranty gives you specific legal rights, and you also may have other rights that vary from state to state.
If you purchased your product outside the United States:	See your dealer for details.

References

Order Form for Parts

Remote #221132

If your TV has the picture-in-picture feature, this is the remote that came packed with your TV. You can use the order form at the right to order it by mail.



Cleaner #AHO35

To clean your TV cabinet, we recommend Murphy's® Oil Soap or Cleaner #AHO35. You **should not** use cleaners such as Windex® with vinegar, Lenox® Furniture Polish spray or Heinz® Cleaning Vinegar to clean your TV cabinet. Using these cleaners will permanently mar the surface of the cabinet. Such damage is not covered under your purchase warranty.

Matching Stands

A matching stand is designed to be used with some of the TV models included in this book. The recommended stands are provided with hardware to secure the TV to the stand so that it cannot be easily pulled off or tipped over.

CAUTION: If you choose not to use the stand recommended for your TV, take precautions that the stand or other furniture the TV is placed on is properly located and of adequate size and strength to prevent the TV from accidentally being tipped over or pulled off. This could cause damage to the TV and/or personal injury.

Stands are not available by mail order. To locate your nearest RCA dealer call this toll-free number: 1-800-336-1900.

TV Model	Matching Stands
F31 672	RB3104, RB3105, RB3111
F35672	RB3509, RB3111

Detach Here

Order Form Book No. 1Q57 487-01B

Part	Part Number	Price	Qty	Total
Cleaner	AH035	\$ 6.95		
Remote--CRK74A	221132	\$39.95		

Total (\$10 Minimum Order) \$ _____

Sales Tax \$ _____

We are required by law to collect the appropriate sales tax for each individual state, county, and locality to which the merchandise is being sent.

Shipping, Handling, and Insurance \$ 5.00

Total Amount Enclosed..... \$ _____

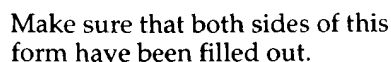
VISA or MasterCard preferred.
Money order or check must be in U.S. currency only.
No COD or CASH.

Fill out both sides of the information

All specifications and descriptions of parts are subject to change without notice.

Order Form for Parts

PLEASE



International Customer Service
Thomson Consumer Electronics, Inc.
Distributor & Special Products
2000 Clements Bridge Rd
Deptford, NJ 08096-2088 USA

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References

Glossary

Antenna

A device used to receive broadcast signals from TV stations.

Audio

Sound reproduced by the TV.

Audio/video cables

Cables that carry sound and picture signals from one component to another.

Autocolor

Adjusts the Color and Tint of the picture signals to the proper balance for all channels.

AutoProgram

A procedure that automatically adds only the active channels in your area to the TV's memory.

Brightness

Light and dark areas of a picture.

Channel Label

A name that is given to a specific channel number.

Channel Memory

Where channels are stored after they have been placed in memory. Channels can be added or deleted from channel memory.

Commerical Skip

A feature that allows the viewer to scan other channels during commercials, and return to the original channel after a timed break.

Component

Device such as VCR, laserdisc player, audio equipment, camcorder, etc.

Disabled

Turns off feature.

Display

A word, words or graphics that appear on the TV screen.

Inputs

Located on back of the TV for connection of a component to the TV. Used to route signals into the TV from components.

Jacks

Connectors located on the back of the TV for connecting antennas or other components.

Menu

A listing of features, controls, and adjustments shown on the TV screen that can be changed.

Mono

Slang for monaural. Sound comes through one channel.

On-Screen Display

See Display.

Outputs

Located on back of the TV for connection of another component. Signals are routed out of the TV into the other component.

Picture-in-picture

A feature that allows you to watch two channels at the same time, a small picture within a big picture. The smaller picture comes from a VCR or other component connected to the TV.

Picture Reset

Returns all of your TV picture adjustments back to the factory setting.

PIP

Short for picture-in-picture.

Sharpness

Clearness of a picture.

SKIP See Commerical Skip.

Signal

Electrical waves that are sent or received through cables or through the air.

Sleep Timer

A feature where the TV can be set to turn off at a specific time within four hours.

Source(s)

Components or devices that are connected to the TV.

Stereo

Sound signals that come through two channels (left and right).

Tone

Quality of the sound.

Tuner

A device that receives and selects signals. The desired signal is selected by the tuner.

Unusable Signal

A message that shows no signal is coming in on the video input.

Video

Picture reproduced by the television.

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Thomson Consumer Electronics is one of the first corporations to take part in a special program to improve our environment.

Thomson has committed itself to a voluntary initiative program through the U.S. Environmental Protection Agency. The program's purpose is to reduce toxic air emissions and to promote pollution prevention.

Thomson's involvement includes a concentrated effort to phase in new water-based paints to replace solvent-based paints normally used in our manufacturing operations. The key benefit of these new paints is to significantly reduce air pollution.

Thomson Consumer Electronics remains committed to improving our manufacturing process through changes like these to help our environment. At Thomson, on-going efforts to maintain our valuable natural resources will continue to be a priority.

If your TV needs service, please contact your dealer or the nearest servicenter from the yellow pages. Please do not send any products to the Indianapolis address listed in this manual or on the carton. This will only add delays in service for your product.

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